

## Year 9 Computer Science

### Introduction to Microsoft VisualBasic

- Learn the user interface for Microsoft VisualBasic.
- Understand what statements, properties and operations are and how they are used.
- Understand the syntax of VisualBasic.
- Learn how flowcharts are used to create algorithms.
- Understand conditions in VisualBasic and use IF, Then, Else statements.

### Loops and conditions

- Further understanding of conditions using IF statements.
- Be able to use Select Case statements.
- Be able to use arrays and loops in VisualBasic to create solutions to problems.
- Understand how arrays are used to hold data.
- Know how to use loops.

### Functions & file formats

- Know how functions are used in VisualBasic.
- Understand how to create functions which take parameter values.
- Be able to read and write to files to store data.

### Advice to students for independent study

- Research key words to understand how they are used in programming.
- Use the concepts of VisualBasic outside of lessons to help reinforce programming techniques.
- Complete research into more advanced areas of programming.